

FIGURE 1

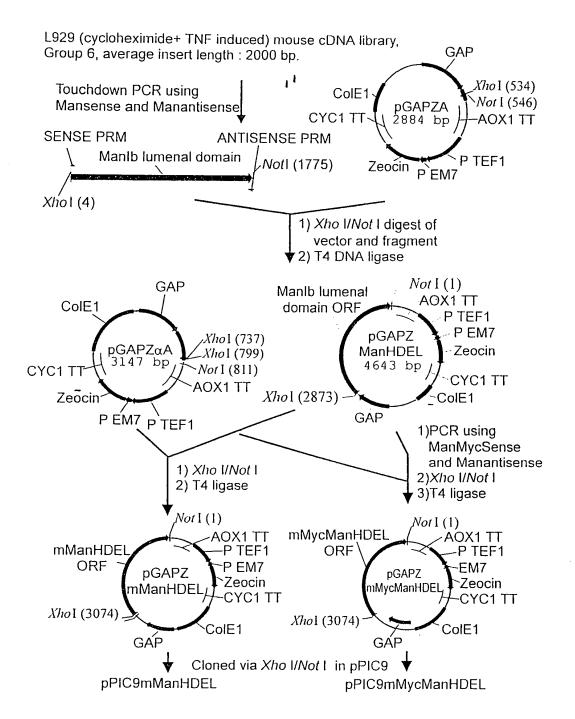
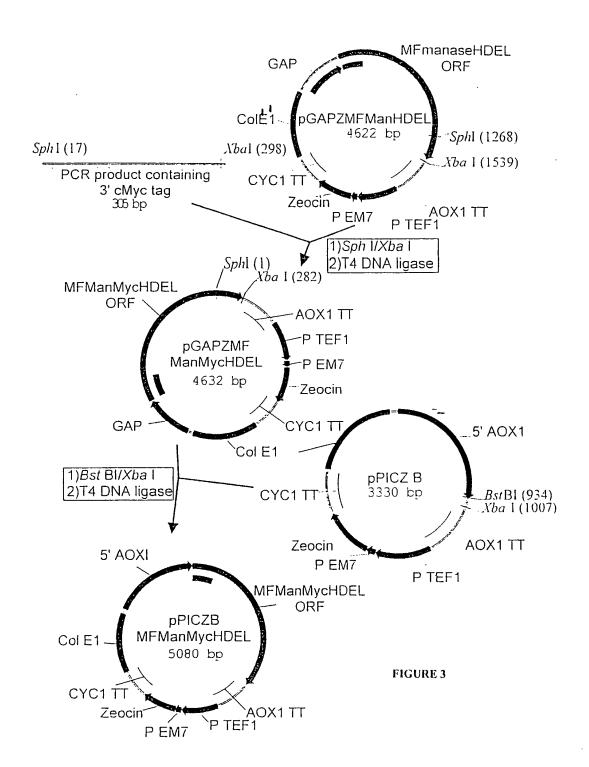


FIGURE 2



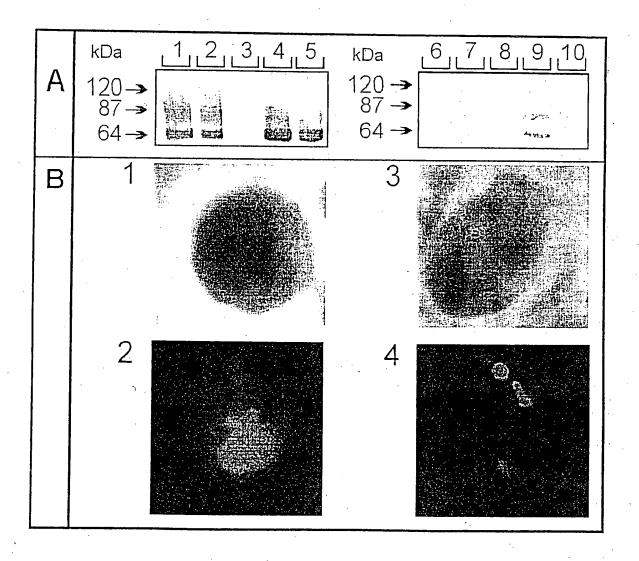
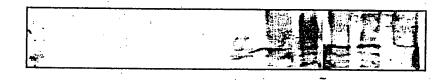


FIGURE 4

OCH1-HA



PDI



Mannosidase-Myc-HDEL



Glucose units

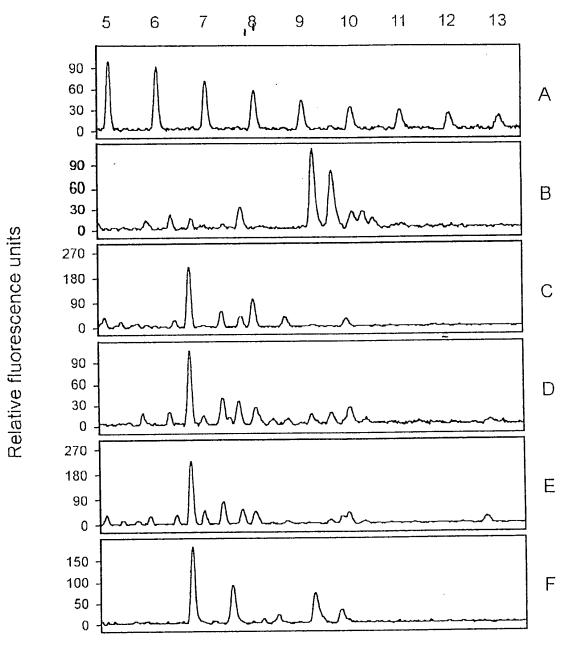


FIGURE 6

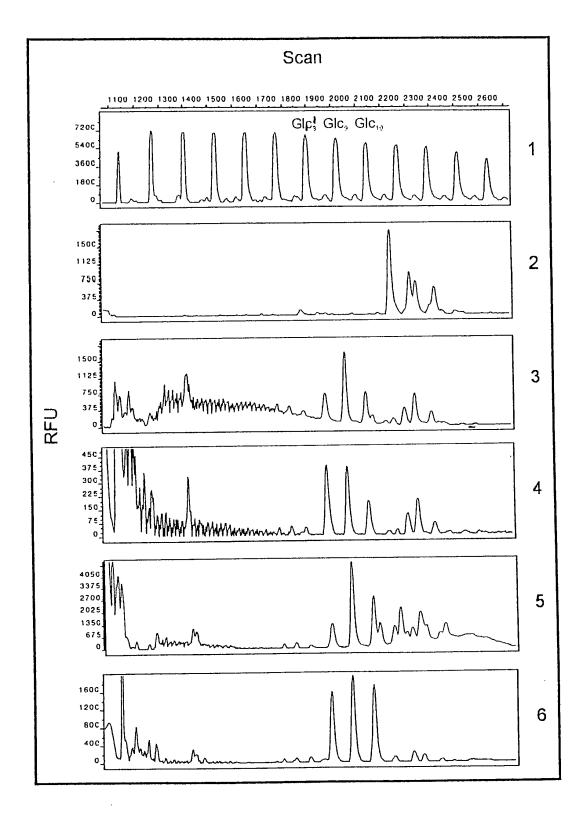


FIGURE 7

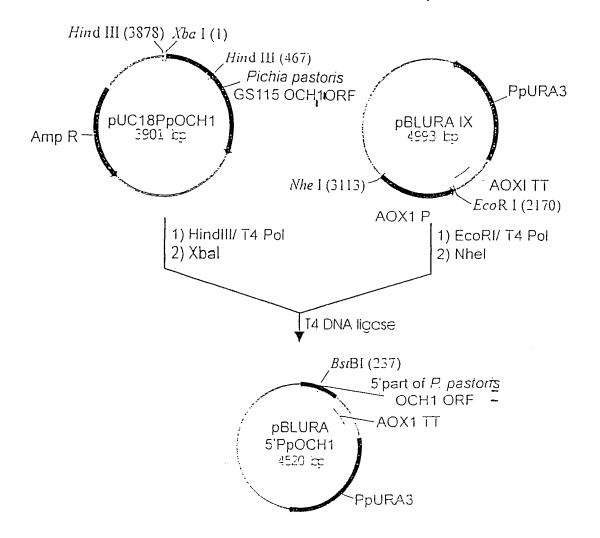
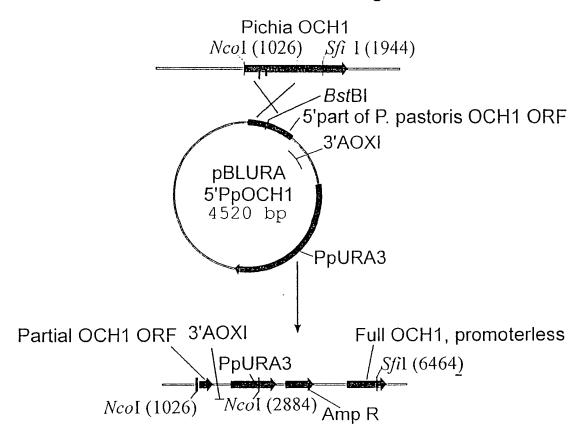


FIGURE 8

Pichia OCH1 Genomic fragment



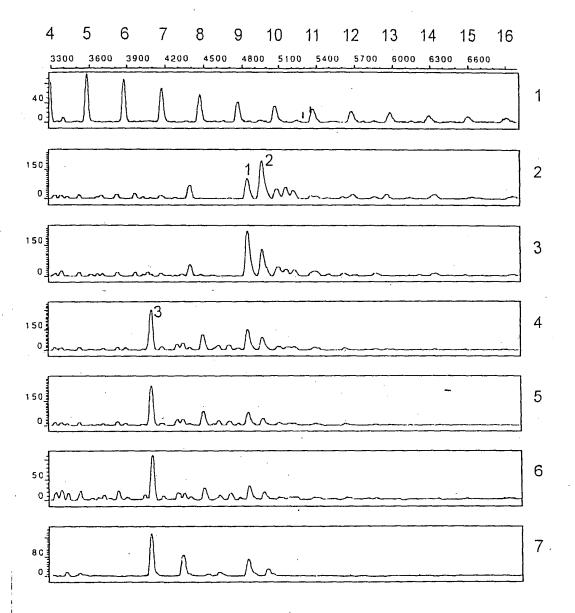


FIGURE 10

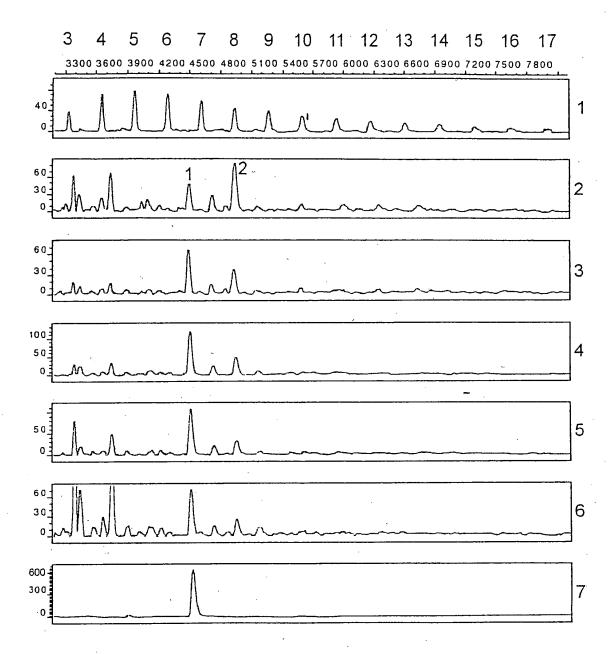


FIGURE 11

GlsII Pichia expression vector pGAPZ(A)glsII

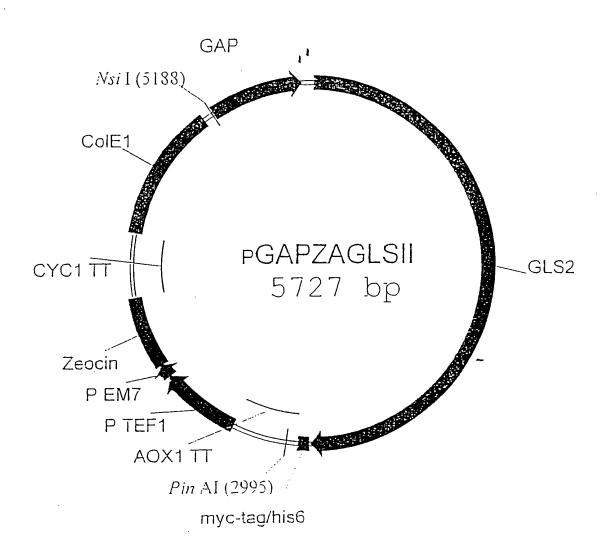


FIGURE 12

GlsII Pichia expression vector pAOX2Z(A)glsII

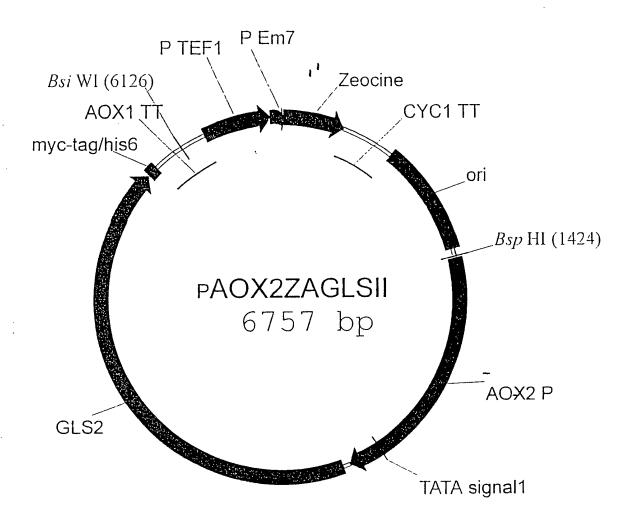
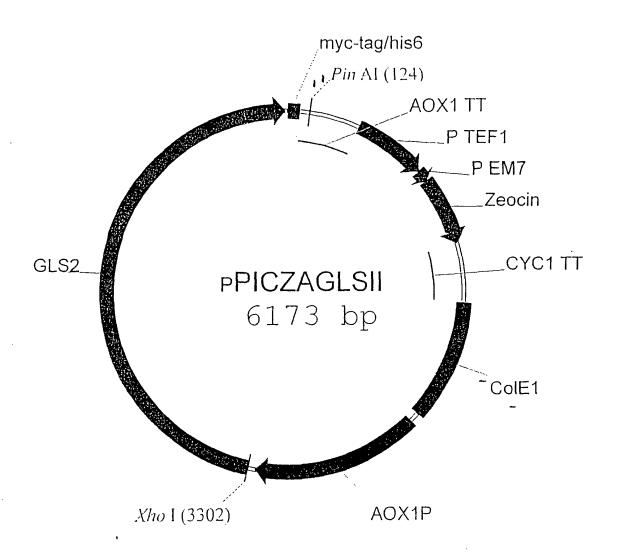


FIGURE 13

GlsII Pichia expression vector pPICZ(A)glsII



GlsII Pichia expression vector pYPT1Z(A)glsIl

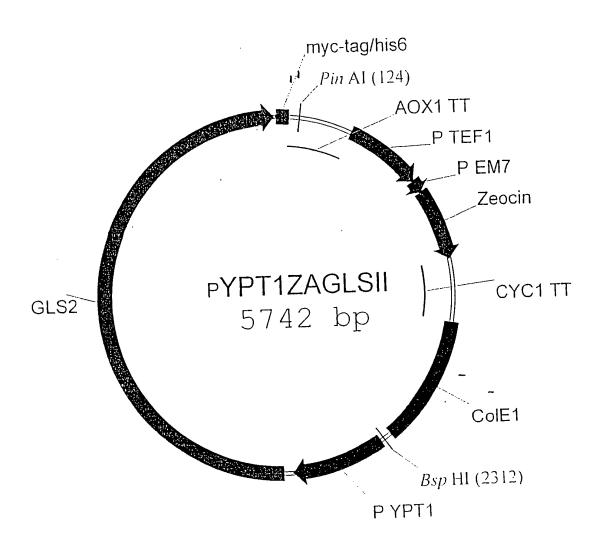
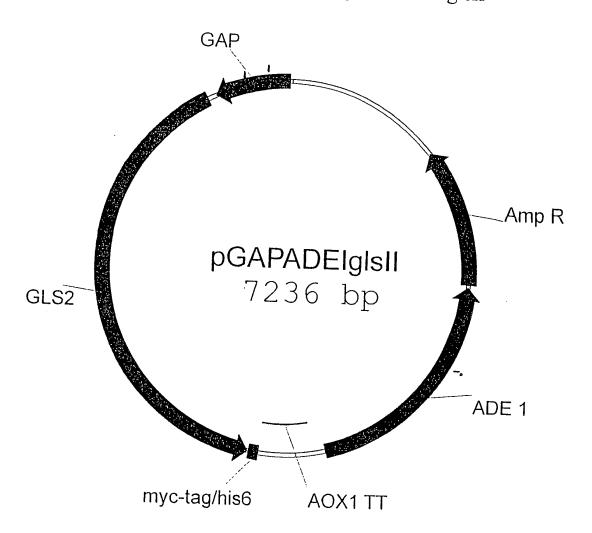


FIGURE 15

GlsII Pichia expression vector pGAPADE1glsII



GlsII Pichia expression vector pAOX2ADE1glsII

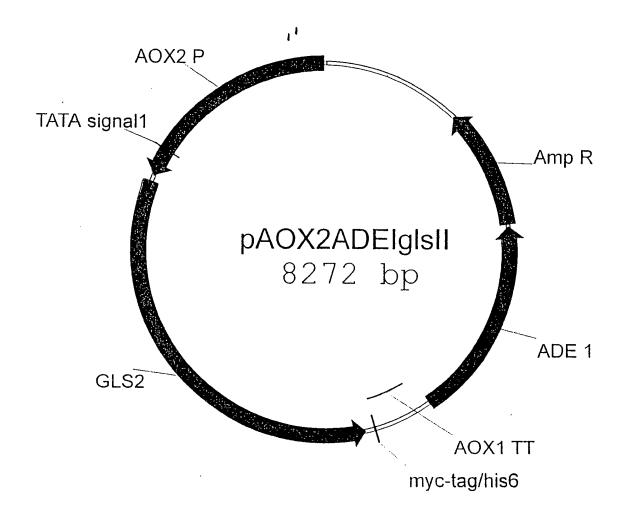
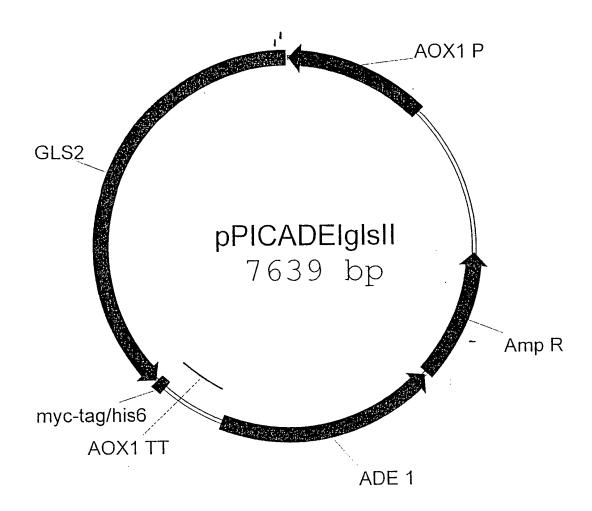


FIGURE 17

GlsII Pichia expression vector pPICADE1glsII



GlsII Pichia expression vector pYPT1ADE1glsII

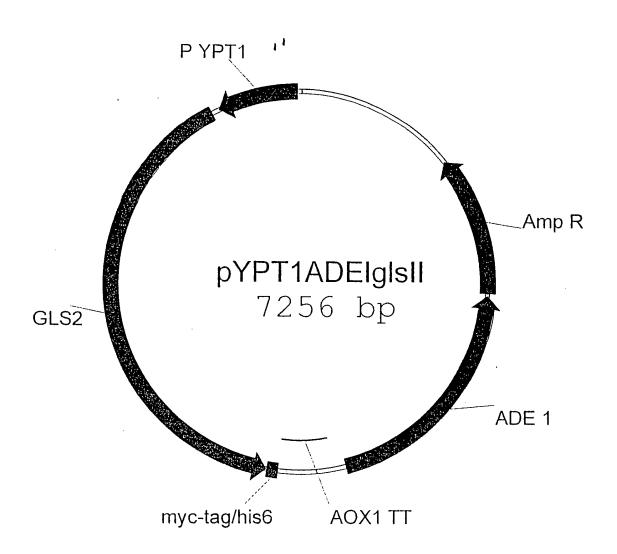
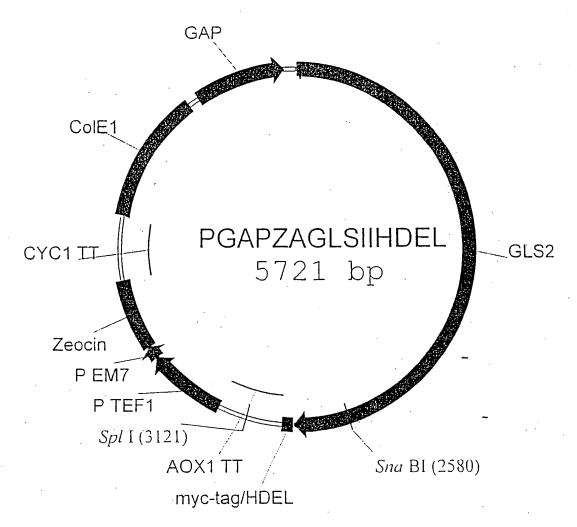


FIGURE 19

GlsII Pichia expression vector pGAPZ(A)glsIlHDEL



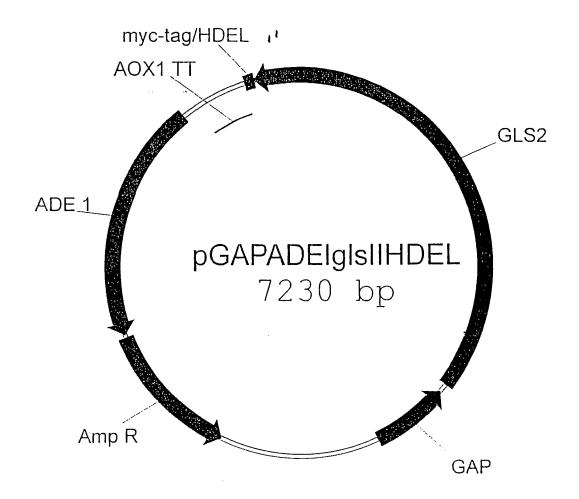


FIGURE 21

Glucosidase II assay on commercially available alpha-glucosidase

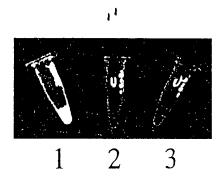


FIGURE 22

Glucosidase II assay on heterologously expressed Pichia protein

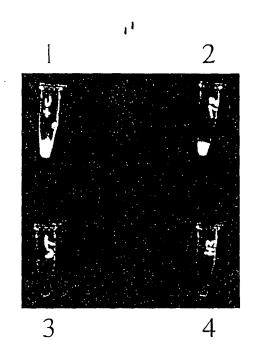


FIGURE 23